



# INDIAN INSTITUTE OF MATERIALS MANAGEMENT

## NHQ- Education Wing

Plot Nos. 102 & 104, Institutional Area, Sector-15, CBD Belapur, Navi Mumbai- 400 614  
Phone: 022-27571022 Telefax: 022-27565741

**(PGDL&SCM - 2 years course)**

### Assignments for Jan-June 2025 Session

**(course code CSM/ PSM)**

#### IMPORTANT POINTS TO BE NOTED BY THE STUDENT:

1. Write your Name, Roll. No. on the answer sheet along with Session i.e. **Jan-June 2025**

**Each page of assignment must bear the roll number, semester number Name at top of each page and student's signature at the bottom of each sheet, without which assignments will be rejected(sample is attached)**

2. Submission of assignments is compulsory and marks obtained in assignments carry **30% weightage** in the final result.

3. Students are required to secure 50% marks in assignments to pass the examination.

4. Each subject will have one assignment..

5. Assignments must be written by the students in their own good hand writing and one copy of the same be retained with them to avoid inconvenience in the event of misplacement / loss of the same in transit.

6. The answers should be brief to the point and relevant to the questions given in the assignment. Do not reproduce your answers from the study materials sent to you.

7. Problems/queries with regard to assignments, if any, are to be discussed with respective branch/NHQ and during the contact classes.

8. **Write your answers on the attached sample answer sheets only**

9. Assignments must be send to IIMM NHQ Education Wing by **30<sup>th</sup> April, 2025** by email in PDF format to **[iimmassignments@gmail.com](mailto:iimmassignments@gmail.com)**. It must not be shared through Google drive. If the file size is big send separate mails.

**Note:** Assignments must reach IIMM NHQ Education Wing by **30<sup>th</sup> April 2025** by email in PDF format to

**[iimmassignments@gmail.com](mailto:iimmassignments@gmail.com)** **Written Exams scores without assignments will be invalid, hence students are required to submit assignments in time.**

# PGDL & SCM - 2years

## (Semester 4)

### Assignments for Jan-June 2025 Session

(course code : CSM/PSM)

#### PAPER - 16

#### Entrepreneurship

**TOTAL MARKS 30**

#### Question.1

**[15 Marks]**

You are an engineer with MBA qualification and having 5 years Industrial exposure, you want to start a business

1. Explain the methodology of developing a Business Plan
2. How to conduct a business feasibility study
3. How to finance a new enterprise
4. Discuss human resource Management in a new enterprise

*(Read Chapter 2, 3 and 4)*

#### Question 2

**[15 Marks]**

#### Case study

An organisation exists solely as a result of the efforts of an Individual who is willing to take on the burden of running the company with him. To do so the individual must possess a specific trait called entrepreneurship.

A successful entrepreneur is always familiar with the relevant advancements and changes that occur in society around him and is equipped with to keep up with challenging requirements of the society. They are the focal point around which all Production variables, productive resources and procedures must revolve. They combine skills, talents and motivation to turn resources into successful companies. Personality and societal characteristics have been linked to entrepreneurial behavior in studies of entrepreneurs. The entrepreneurial person possess characteristics such as self-confidence, persistence, measured risk taking capacity, determination, a need for accomplishment, optimism and a like for challenges. What distinguishes an entrepreneur from successful entrepreneur are his accomplishments in his sector of business

Piramal Enterprises limited 's chairman is Ajay Piramal. Piramal went from owning an almost defunct textile firm to being the chairman of diversified businesses in India and Abroad. A conglomerate having presence in Pharma, Realty and Financial services. He achieved this by acquisition, brand visibility and having innovative ideas. His entrepreneurial skills and timely decisions and his ability to take risk made him successful entrepreneur and they became among top successful companies in India having a turnover of 9087 crores

- 1.. Explain the factors that motivate a person to become an entrepreneur
2. Explain the role of creativity/innovation in the success of an entrepreneur
3. Identify the traits which will help the entrepreneur to be successful
4. Explain the factors helped Piramal to become one among top companies in India

*(Read Chapter 1, 2 ,4 and 5)*

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PGDL & SCM - 2years  
(Semester 4)

**Assignments for Jan-June 2025 Session**

(course code : CSM/PSM)

**PAPER - 17**

**Research Methodology**

**TOTAL MARKS 30**

**[15 Marks]**

**Question.1**

- a) Explain the concept of 'Research' and bring out the various objectives of conducting research
- b) Two types of sampling methods are generally used in research study – probability and non-probability methods. Researchers select the sampling method based on their chosen topic of the research study. Given this context, explain about the meaning of probability sampling method and bring out the various types of probability sampling giving suitable examples in each case.
- c) Every researcher needs data collection for conducting his research. There are basically two types of data – primary data and secondary data – which are used by researcher. The researcher collects the particular type of data based on the objectives of his research study. In this context, explain the meaning of primary data and the various methods of primary data collection.

*(Read chapters 1,4, and 6).*

**Question 2**

**[15 Marks]**

- a) Explain the terms “Central tendency”, “Dispersion”, and “Skewness “used in data analysis. How do these concepts help in studying the distribution pattern of a data set? Is it possible that two data series having the same mean and standard deviation will give the same shapes of curves when plotted on graphs? Explain and illustrate your answer with neat diagrams.
- b) To test the validity of a hypothesis in finding a solution of a research problem, the researcher generally uses two main types of tests – parametric tests and non-parametric tests. Distinguish between these two types of tests. Explain the different types of parametric tests used in hypothesis testing.
- c) Raja has been running a restaurant near a busy railway station for the last several years. The business has been quite good having average sales of 500 tea cups per day. A bus stand was being developed nearby and because of this, Raja expects his sales to increase and he would like to gear up his infrastructure to meet the expected increase in demand. However, he wants to observe the situation for some time before making further investments. Soon after the bus stand started functioning, he recorded the daily sales for 12 days as under:

550, 570, 490, 615, 505, 580, 570, 460, 600, 580, 530, 526

With the given information, can you, as a researcher, carry out an analysis and advise Raja whether his expectation is justified?

(Use 5% level of significance; t distribution value of 11 degrees of freedom at 5% level = 1.796).

*(Read chapters 8 to 10).*

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# PGDL & SCM - 2years

## (Semester 4)

### Assignments for Jan-June 2025 Session

(course code : CSM/PSM)

### PAPER - 18

### Advanced SCM & L

**TOTAL MARKS 30**

#### Question.1

**[15 Marks]**

*(Students should go through chapters 2, 3 and 4 before answering the questions below)*

M/s Supply Chain Consulting (M/s SCC) is a premier organization carrying out consulting in implementing or improving the efficiency of the supply chain for manufacturing organizations. M/s XYZ is a company manufacturing and distributing apparels and have hired the services of M/s SCC to implement an effective supply chain solution. M/s SCC were aware of the complications in this exercise and were keen to achieve the strategic to ensure the success of implementation of the supply chain management. Being an apparel industry it was essential to achieve a good quantitative forecast. M/s XYZ were operating multiple methods of distribution for their finished products with varying levels of efficiency. M/s SCC were aware that each of these methods had to be examined to decide on the optimum solution.

- Explain with a diagram the stages to achieve a zone of strategic fit?
- Explain quantitative forecasting. What are the different methods? Explain each briefly.
- What were the transportation network options that were being operated by M/s XYZ?

#### Question.2

**[15 Marks]**

*(Students should go through chapters 6, 7 and 12 before answering the questions below)*

The transportation system in M/s XYZ was being managed by multiple agencies with very little coordination. For example, the cross-docking system followed was never tried out and not used by M/s XYZ. M/s SCC were aware of the advantages of this method wanted to study and understand if this method can be implemented into the transportation system. Having studied the distribution requirements of M/s XYZ it was clear that a new and efficient distribution network has to be designed. The most important aspect that had to be kept in mind by M/s SCC is to ensure that the supply chain system proposed does not increase the cost of the supply chain. They have to study all the cost components of the supply chain and work out a system to reduce the supply chain costs.

- What are the different types of cross docking followed? What are the issues?
- What are the steps that have to be followed in the design of the distribution network?
- What are methods that are available for M/s SCC to reduce the supply chain costs?

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## PGDL & SCM - 2years

### (Semester 4)

#### **Assignments for Jan-June 2025 Session**

(course code : CSM/PSM)

#### **PAPER - 19**

### **Emerging Trends in SCM & Logistics**

**TOTAL MARKS 30**

#### **Question.1**

**[15 Marks]**

*(Students should go through chapters 8, 9 and 10 before answering the questions below)*

M/s South-East company (M/s SEC) is a leading firm manufacturing components for the automobile sector. M/s SEC were technologically advanced but were aware of the changing technological scenario and wanted to go for an upgrade to meet the industry 4.0 standards. They hired consultants to help them in the process of upgrading. The consultants suggested following a systematic method taking into account the design principles. The consultants were aware of the drivers of the supply chain and had to ensure the complete involvement and participation of these functions to ensure the productivity and efficiency of the supply chain that was planned to be implemented

- What are the components of industry 4.0. Explain briefly each of them.
- What were design principles adopted by the consultants for the implementation of system and the advantages and challenges likely to be faced during implementation?
- Identify the drivers of the supply chain and explain briefly each of them with their roles.

#### **Question.2**

**[15 Marks]**

*(Students should go through the chapter 2, 3 and 5 before answering the questions below)*

M/s SEC and the consultants were aware that the implementation of industry 4.0 requires focus on the core activities. Non-core activities need to be handled by business partners who were trained and have the expertise to carry out these activities efficiently. Such upgrade in business meant focusing and improving the digital footprint across the organization. Large volumes of data that is likely to be collected in this process and needs to be analyzed. A variety of metrics are identified (based on the data collected) that helps in understanding and streamlining the operations of the organization. With the upgrade to better industrial systems meant securing a wider customer base to improve the profitability. One of the methods suggested by the consultants to secure a wide customer base was based on e-commerce. Multiple methods of e-commerce were identified for discussion by the consultant. M/s SEC chose two models for implementation from the four models that were studied. M/s SEC decided to launch the upgrade program for their organization with all the data that was selected based on the discussions with the consultants.

- What would be the best approach for M/s SEC to handle the non-core activities? What are its advantages and disadvantages?
- What are the intelligence metrics that is used to streamline the business activities of the organization?
- Identify and explain the 4 models of e-commerce suggested by the consultants. What in your opinion was the 2 models selected? Explain with reasons

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strikeout whichever is not applicable

## ASSIGNMENT ANSWERSHEET

Roll.No.  Course

Name

Assignments for  Semester   
(Month of Exam)

Paper No.  Subject:

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For office use only :

Marks Allotted \_\_\_\_\_

(Maximum marks 30 Minimum Marks 15)

Name of Evaluator

Signature of Evaluator

**Note:**

**1.This cover page must be attached to each assignment answer sheet**

**2.Each page of assignment must bear the roll number, name and sign of the student, without which assignments will be rejected**

**Signature of student**

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ASSIGNMENT ANSWERSHEET

Roll.No. \* CSM/PSM/20 / / Course Name

Lined area for writing answers

Signature of student

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